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2/3/99**TECHNICAL MEMORANDUM****CH2MHILL**

Data Validation of First Round of EnviroChem (ECC) Trust Verification Monitoring Samples

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DATE: February 3, 1999

This technical memorandum presents the results of CH2M HILL's data validation process for surface and groundwater samples collected by the ECC Trust representatives for the first round of Verification Monitoring required by Exhibit A of the Consent Decree. As outlined in Subtask 5.5 of the Work Plan, CH2M HILL is tasked to validate the first round only of groundwater and surface water results generated by the ECC Trust's subcontract laboratory. The purpose of the task is to develop a level of confidence that the laboratory is able to comply with analytical method requirements. The results of the evaluation, coupled with a CH2M HILL audit of the laboratory, will provide data that the U.S. EPA can use when deciding to reduce/eliminate split sampling during the Verification and Compliance Monitoring stages of the project.

The Verification Monitoring samples were collected by Environ staff (ECC Trust's consultant) from November 9 to 13, 1998. CompuChem Laboratories in Cary, North Carolina performed the chemical analyses. The analytical methods and number of samples are listed in Table 1. The target compounds for the GC/MS Volatile (VOC) and Semivolatile (SVOC) analyses were a selected subset of compounds included in the calibration standards. The selected list of metals included Sb, As, Ba, Be, Cd, Pb, Mn, Ni, Ag, Vn, Zn, and Sn.

TABLE 1
Analytical Methodology and Samples

Method	Samples
SW-846 8081 Polychlorinated Biphenyls (PCBs) by Gas Chromatography	25 Water samples
SW-846 8260 VOCs by Gas Chromatography/Mass Spectrometry	26 Water samples, 2TB, 2 sets MS/MSD
SW-846 8270 SVOCs by Gas Chromatography/Mass Spectrometry	25 Water samples
SW-846 6010 Inductively Coupled Plasma – Atomic Emission Spectrometry Metals	25 Water samples
SW-846 7470 Mercury	25 Water samples
SW-846 9010 Cyanide	25 Water samples
SW-846 7195 Hexavalent Chromium	25 Water samples

CH2M HILL collected split samples for approximately ten percent of the sample locations and had them analyzed. The purpose of the split sampling is to confirm the ECC Trust's results. Tim Harrison and Chris Greer of CH2M HILL were onsite on November 12 and collected two groundwater split samples (S1 and S3) with Environ. CH2M HILL also collected a duplicate sample and MS/MSD sample for quality assurance/quality control (QA/QC) purposes. CH2M HILL's samples were shipped to Katalyst Analytical, Inc. (KAI) in Peoria, Illinois for analysis. Results from KAI are being forwarded to U.S. EPA for validation. The results of those samples will be provided in a separate report.

Summary and Conclusions

The data were acceptable except as discussed in the results section below. Data qualifiers were added to the results in instances of QA/QC deficiencies and the data is usable as qualified. A copy of CompChem's summary data sheet for each sample with the data qualifiers applied by CH2M HILL is attached. The quality of the data is sufficient for U.S. EPA to reduce/eliminate split sampling assuming the results of the laboratory audit currently being scheduled are acceptable.

Issues important to the overall groundwater and surface water monitoring program but outside the scope of the data validation task are noted below.

- The results of the first round of Verification Monitoring sampling showed concentrations of multiple contaminants well above Table 3.1 Site-Specific Acceptable Concentrations in many of the offsite and onsite till wells. In some cases, till well samples (e.g., onsite well T-2 and offsite well T-6) showed organic contaminants more than two to four orders-of-magnitude above the Table 3.1 criteria. Exhibit A requires that these criteria must be met prior to soil-vapor extraction (SVE) operations being considered complete. Given the remedial approach (SVE and RCRA-compliant cover) and time-frame (5 years and 9 months after SVE startup), we have serious reservations that these criteria can be met. SVE is not an effective technology for groundwater remediation. The quarterly Verification Results should be monitored closely over the next couple of quarters to see if trend develops in till water quality improvement.
- The method detection limits for arsenic and PCBs used for these samples were 1.7 and 1.0 µg/L, respectively. The "Acceptable Stream Criteria" listed in Table 3.1 of Exhibit A are 0.0175 and 0.000079 for arsenic and PCBs, respectively. As such, a sample with a concentration that exceeded the criteria but was below the method detection limit would not be detected. U.S. EPA approved methods exist to attain quantification limits at or below these criteria. However, we believe that this issue is relatively minor with respect to the issue discussed in item 1 above. Given that water quality at the wells must be in compliance only at the time when the SVE operation can be terminated, we believe it is not necessary for the ECC Trust to expend the additional effort and cost to attain arsenic and PCB limits required by Table 3.1 until such time as they plan to terminate SVE operations. At that time, it will be necessary to show that all parameters including arsenic and PCBs have achieved the criteria in Table 3.1 of Exhibit A. Since specialized sampling and analytical methods required to attain these detection limits, the cost could be ten times higher or more than the methods currently being used for arsenic and PCBs.

- Based on CH2M HILL's unvalidated data from KAI, it appears that the arsenic results for the split samples collected at S1 and S3 exceed the Table 3.1 criteria. We believe that this likely due to current field sampling procedures used by the ECC Trust representatives instead of actual arsenic in the groundwater. Sampling using "clean sampling methods" is typically required to achieve compliance with low levels required for arsenic at this site. Arsenic is prevalent in the environment and it often results in the contamination of samples unless "clean methods are used". These methods are labor intensive and more expensive than traditional methods. For the same reasons identified in items 1 and 2 above, we do not believe it is necessary for the ECC Trust to use the clean methods at this time. If the till wells and surface water do meet other criteria in Table 3.1 in the required time-frame, we recommend the arsenic be analyzed with detection limits at or below the arsenic criteria. We expect "clean sampling methods" will be required to achieve the criteria assuming those arsenic concentrations in the wells actually exists below the criteria.

Results

Each area reviewed and the findings are documented within each subsection that follows. This data was validated for compliance with the analytical method requirements. This also included a review of the data to assess the accuracy, precision, and completeness following procedures described in the U.S. EPA Laboratory Data Validation Functional Guidelines. QA/QC summary forms and data reports were reviewed. Chain-of-custody forms were checked against hard copy deliverables to ensure sample results were reported. Data qualifiers were added when the QA/QC data indicated a bias. The issues related to data quality are discussed herein.

Standard data qualifiers were used as a means of classifying the data as to their conformance to QA/QC requirements. The data qualifiers are defined as follows:

- [=] Detected. The component was analyzed for and detected at the concentration shown.
- [U] Non-detected. The component was analyzed for but not detected at a concentration equal to or greater than the laboratory reporting limit.
- [J] An estimated value. This flag was used when the data indicated the presence of a component was below the stated reporting limit or when the direction of analytical bias was unknown.
- [UJ] The component was analyzed for but not detected at a level equal to or greater than the reporting limit. This flag was used when the QA/QC data indicated a bias in the analytical data but the direction of bias was unknown.
- [R] Rejected. The data is not useable.

Organic Parameters

Quality Control Review

The following list represents the QC measures that are typically reviewed during the data quality evaluation procedure for organic data.

- Holding Times - The holding times are evaluated to verify the samples were extracted and analyzed within holding times.
- Blank samples - Method blanks, Field blanks, and Equipment blanks were provided for this project. Blank samples enable the reviewer to determine if an analyte may be attributed to sampling or laboratory procedures, rather than environmental contamination from site activities. The blanks analyzed did not contain target analytes detected at a level above the reporting limit.
- Surrogates - Surrogates are added to each sample and are used to monitor lab performance and matrix interference.
- Lab Control Sample (LCS) - The LCS serves as a monitor of the overall performance of each step during the analysis, including sample preparation.
- Field Duplicate Samples - These samples are collected to determine a precision difference between a native and its duplicate.
- Matrix Spike/Matrix Spike Duplicates (MS/ MSD) - Spike recovery is used to evaluate potential matrix interference's as well as accuracy.
- GC/MS Tuning - The mass spectrum of the tuning compound, Bromofluorobenzene (BFB) or Decafluorotriphenylphosphine (DFTPP), is evaluated for method compliance. The criteria is established to verify the proper mass assignment and mass resolution.
- Initial Calibration (IC) - The IC ensures that the instrument is capable of producing acceptable qualitative and quantitative data for the compounds of interest.
- Continuing Calibration (CC) - The CC checks satisfactory performance of the instrument and it's predicted response to the target compounds.
- Internal Standards – The internal standard retention time and response is evaluated for method compliance. The internal standards are used in quantitation of the target parameters.

VOC Analyses

The QA/QC parameters for Volatile analyses for the samples were within acceptable control limits, except as noted below.

- Acetone and methylene chloride were detected in several laboratory and trip blanks, at concentrations ranging from 0.8 to 3.0 ug/L. Toluene, cis-1,2-dichloroethene, and xylenes (total), were detected in one laboratory blank. Toluene, trichloroethene, and tetrachloroethene were detected in one trip blank. Sample concentrations of these compounds (except acetone and methylene chloride) less than five times the associated blank level were qualified as "U" (non-detected) to indicate that the detected value was most likely due to field or laboratory contamination , versus environmental site conditions. Blank biased compound detections below the reporting limit were qualified as non-detected at the reporting limit. Sample detections for acetone and methylene chloride were evaluated at ten times the associated blank level because they are common laboratory contaminants. Trip blanks and laboratory method blanks were batch-specific

and used only with the associated sample delivery groups (SDGs) and analytical batches.

Inaccurate calibration was noted in several analytical batches. The calibration problems applied mostly to acetone, 2-butanone and methylene chloride. These observations are summarized below:

- Problems were noted with the initial calibration acquired on November 17,1998, associated with the instrument identified as F50051. The initial calibration Relative Response Factor (RRF) for 2-butanone was less than 0.05. Also, the percent Relative Standard Deviation (% RSD) was greater than 15% for methylene chloride (22.6%), 4-methyl-2-pentanone (17.3%), and 2-butanone (31.7%). Method 8260 allows the option of averaging the % RSD of all compounds, and if the average is less than 15%, the calibration curve is acceptable. The laboratory used this option, however, the results for these compounds in the associated batches were considered estimated as a result of the inaccurate calibration and qualified "J" for detects and "UJ" for non-detects.
- Problems were noted with the initial calibration acquired on November 21,1998, associated with the instrument identified as F50052. The initial calibration Relative Response Factor (RRF) for acetone and 2-butanone were less than 0.05. Also, the percent Relative Standard Deviation (% RSD) was greater than 15% for methylene chloride (79.03%) and acetone (19.4%). The high % RSD for methylene chloride is most likely due to a problem with laboratory contamination, as the (RRFs) for the two lowest calibration standards were much higher than the RRFs in the remaining calibration standards. This led to the high % RSD for methylene chloride. Method 8260 allows the option of averaging the % RSD of all compounds, and if the average is less than 15%, the calibration curve is acceptable. The laboratory used this option, however, the results for these compounds in the associated batches were considered estimated as a result of the inaccurate calibration and qualified "J" for detects and "UJ" for non-detects.
- Problems were noted with the initial calibration acquired on November 25,1998, associated with the instrument identified as F50054. The initial calibration Relative Response Factor (RRF) for acetone and 2-butanone were less than 0.05. Also, the percent Relative Standard Deviation (% RSD) was greater than 15% for methylene chloride (25.1) and acetone (26.1%). Method 8260 allows the option of averaging the % RSD of all compounds, and if the average is less than 15%, the calibration curve is acceptable. The laboratory used this option, however, the results for these compounds in the associated batches were considered estimated as a result of the inaccurate calibration and qualified "J" for detects and "UJ" for non-detects.
- Problems were noted with several continuing calibration standards with respect to acetone, 2-butanone, and methylene chloride. The continuing calibration RRFs for acetone and 2-butanone were less than 0.05. Also, the percent difference between the initial RRF and the continuing calibration RRF used at the time of analysis for acetone and methylene chloride were greater than 20%. Results for these compounds in several batches were considered estimated as a result of the inaccurate calibration and qualified "J" for detects and "UJ" for non-detects.

- Problems were noted with the calibration associated with instrument F50051 on November 19, 1998 at 8:17AM. The percent difference between the initial RRF and the continuing calibration RRF used at the time of analysis for 4-methyl-2-pentanone (21.9%) was greater than 20%. The result for this compound in sample ECTGW5-01 was considered estimated as a result of the inaccurate calibration and qualified "UJ" for non-detect.
- Problems were noted with the calibration associated with instrument F50051 on November 19, 1998 at 6:02PM. The percent difference between the initial RRF and the continuing calibration RRF used at the time of analysis for cis-1,2-dichloroethene (32.4%) was greater than 20%. The results for this compound in sample ECTGW1-01 and ECTGW4-01 were considered estimated as a result of the inaccurate calibration and qualified "UJ" for non-detects.
- Problems were noted with calibration in analytical batch RF877. The initial calibration RRF for acetone was less than 0.05. Results for acetone in RF877 were considered estimated as a result of the inaccurate calibration and qualified "J" for detects and "UJ" for non-detects.
- The surrogate recovery for dibromofluoromethane (127%) in sample ECTGW9-01MSD was slightly above the upper control limit of 126%. The surrogate recoveries in the native sample and matrix spike sample were within criteria. Therefore, no flags were applied.
- The Relative Percent Differences (RPDs) associated with the matrix spike and matrix spike duplicate samples in sample ECTGW9-01, were slightly above the criteria for four of the five spiked compounds. Although, the recoveries of the matrix spike and matrix spike duplicate samples were within criteria, the recoveries in the matrix spike sample were on the low side, while the recoveries in the matrix spike duplicate sample were on the high side. This accounted for the high RPD. No flags were applied as a result of the high RPDs.

Semivolatile Analyses

The QA/QC parameters for Semivolatile analyses for the samples were within acceptable control limits, except as noted below.

- Problems were noted with the calibration acquired on November 17, 1998 at 12:41AM, associated with the instrument identified as HP60. The percent difference between the initial RRF and the continuing calibration RRF used at the time of analysis was greater than 20% for diethylphthalate (21.1%). The results for these compounds in the associated batches were considered estimated as a result of the inaccurate calibration and qualified "J" for detects and "UJ" for non-detects
- Problems were noted with the calibration acquired on November 20, 1998 at 10:42AM, associated with the instrument identified as HP64. The percent difference between the initial RRF and the continuing calibration RRF used at the time of analysis was greater than 20% for isophorone (23.5%) and bis(2-ethylhexyl)phthalate (21.9%). The results for these compounds in the associated batches were considered estimated as a result of the inaccurate calibration and qualified "J" for detects and "UJ" for non-detects.

- Problems were noted with the calibration acquired on November 21, 1998 at 11:28AM, associated with the instrument identified as HP64. The percent difference between the initial RRF and the continuing calibration RRF used at the time of analysis was greater than 20% for diethylphthalate (21.6%). The results for these compounds in the associated batches were considered estimated as a result of the inaccurate calibration and qualified "J" for detects and "UJ" for non-detects
- Sample ECTGW2-01 was re-extracted five days past the specified maximum holding time due to low recovery for the acid surrogate 2-Fluorophenol. The re-extraction and reanalysis reflected similar low recoveries. In addition, phenol, 1,2-dichlorobenzene, and isophorone exceeded the instrument calibration range on the original analysis. The re-extraction and reanalysis was performed at a dilution of 1:50. The analytical results for phenol, 1,2-dichlorobenzene, and isophorone were obtained from the re-extraction and reanalysis. The results for the remaining compounds, naphthalene, diethylphthalate, di-n-butyl phthalate, and bis(2-ethylhexyl)phthalate were obtained from the original analysis.
- Sample ECSGW2-01M was re-extracted four days past the specified maximum holding time due to low recovery for the acid surrogates 2-Fluorophenol (18%) and 2,4,6-tribromophenol (6%). The recoveries of surrogates in the re-extraction and reanalysis met acceptable criteria. The analytical results from the original extraction and analysis were flagged "R", rejected. The analytical results from the re-extraction and reanalysis were used, but qualified "UJ", estimated due to exceeded holding time.

Polychlorinated Biphenyls

The QA/QC parameters for Polychlorinated Biphenyl analyses for the samples were within acceptable control limits.

Metals

Quality Control Review

The following list represents the QC measures that are typically reviewed during the data quality evaluation procedure for inorganic parameters.

- Holding Times - The holding times are evaluated to verify the samples were extracted and analyzed within holding times.
- Blank samples - Sample preparation, initial calibration blanks (ICB)/continuing calibration blanks (CCB), and equipment blanks were provided. Blank samples enable the reviewer to determine if an analyte may be attributed to sampling or laboratory procedures, rather than environmental contamination from site activities.
- Lab Control Sample (LCS) - The LCS serves as a monitor of the overall performance of each step during the analysis, including sample preparation.
- Field Duplicate Samples - These samples are collected to determine a precision difference between a native and its duplicate.
- Pre/Post Digestion Spike (MS/MSD) - Spike recovery is used to evaluate potential matrix interference's as well as accuracy.

- ICP Interference Check Sample (ICS) - The ICS verifies the lab's interelement and background correction factors.
- Initial Calibration Verification (ICV) - The IC ensures that the instrument is capable of producing acceptable quantitative data for target analyte list to be measured.
- Continuing Calibration Verification (CCV) - This one-point, mid-range parameter establishes that the IC is still valid by checking the performance of the instrument on a continual basis.
- ICP Serial Dilution - The serial dilution of samples quantitated by ICP determines whether or not significant physical or chemical interference's exist due to sample matrix.

The QA/QC parameters for the metals analyses for the samples were within acceptable control limits, except as noted below:

- Method blanks were reported as not detected down to the instrument detection limit (IDL). The ICB and CCB's were found to contain values reported between the IDL and the CRDL for several metals. These concentrations in continuing calibration blanks are indicative of instrument noise and background shifts which could also affect sample results with a low level false positive. Applicable field samples with concentrations less than five times the highest blank concentration were qualified as not detected. This affected some of the field samples for Ba, Be, Pb, Mn, and V.
- A serial dilution was performed in SDG 0002. These results were applied to both SDGs as they were of a similar matrix from the same site. Manganese failed to meet criteria for the serial dilution. Samples in both SDGs were flagged as J/UJ, as estimated, for manganese.

Chain-of-Custody Review

Samples listed on the chain-of-custody (COC) were analyzed as requested.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW4D-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918911

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN018911A52.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/23/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4	Vinyl Chloride	0.5	U
75-09-2	Methylene Chloride	3	B uJ
75-35-4	1,1-Dichloroethene	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
79-01-6	Trichloroethene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
108-88-3	Toluene	0.5	U
100-41-4	Ethylbenzene	0.5	U
67-64-1	Acetone	2	uJ
108-10-1	4-Methyl-2-pentanone	2	U
78-93-3	2-butanone	2	U J
156-60-5	trans-1,2-Dichloroethene	0.5	U
156-59-2	cis-1,2-Dichloroethene	1	
1330-20-7	Xylene (total)	0.5	U

LA
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW4D-01T

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918912

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: CR018912A52.D

Level: (low/med) LOW

Date Received: 11/12/98

% Moisture: not dec.

Date Analyzed: 11/24/98

GC Column: DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4	Vinyl Chloride	0.5	U
75-09-2	Methylene Chloride	2	B
75-35-4	1,1-Dichloroethene	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
79-01-6	Trichloroethene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
108-88-3	Toluene	0.5	U
100-41-4	Ethylbenzene	0.5	U
67-64-1	Acetone	3	B
108-10-1	4-Methyl-2-pentanone	2	U
78-93-3	2-butanone	2	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
1330-20-7	Xylene (total)	0.5	U

Hd, 1/18

LA
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECSW1-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918897

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: CN018897A52.D

Level: (low/med) LOW

Date Received: 11/12/98

% Moisture: not dec.

Date Analyzed: 11/23/98

GC Column:DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND			
75-01-4	Vinyl Chloride	0.5	U	
75-09-2	Methylene Chloride	1	B	ut
75-35-4	1,1-Dichloroethene	0.5	U	
71-55-6	1,1,1-Trichloroethane	0.5	U	
79-01-6	Trichloroethene	0.5	U	
79-00-5	1,1,2-Trichloroethane	0.5	U	
127-18-4	Tetrachloroethene	0.5	U	
108-88-3	Toluene	0.5	U	
100-41-4	Ethylbenzene	0.5	U	
67-64-1	Acetone	7		\$ u5
108-10-1	4-Methyl-2-pentanone	2	U	ut
78-93-3	2-butanone	2	U	
156-60-5	trans-1,2-Dichloroethene	0.5	U	
156-59-2	cis-1,2-Dichloroethene	0.5	U	
1330-20-7	Xylene (total)	0.5	U	

11/18

LA
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECSW1-01MS

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918587

MS

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: CN018587A52.D

Level: (low/med) LOW

Date Received: 11/12/98

% Moisture: not dec. _____

Date Analyzed: 11/24/98

GC Column:DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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75-01-4	Vinyl Chloride	0.5	U
75-09-2	Methylene Chloride	1	B
75-35-4	1,1-Dichloroethene	5	
71-55-6	1,1,1-Trichloroethane	0.5	U
79-01-6	Trichloroethene	5	
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
108-88-3	Toluene	5	
100-41-4	Ethylbenzene	0.5	U
67-64-1	Acetone	5	B
108-10-1	4-Methyl-2-pentanone	2	U
78-93-3	2-butanone	2	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
1330-20-7	Xylene (total)	0.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSW1-01MSD

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918588

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: CN018588A52.D

Level: (low/med) LOW

Date Received: 11/12/98

% Moisture: not dec. _____

Date Analyzed: 11/24/98 *MSD*

GC Column:DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	0.5	U
75-01-4-----	Vinyl Chloride	0.5	U
75-09-2-----	Methylene Chloride	2	B
75-35-4-----	1,1-Dichloroethene	5	
71-55-6-----	1,1,1-Trichloroethane	0.5	U
79-01-6-----	Trichloroethene	5	
79-00-5-----	1,1,2-Trichloroethane	0.5	U
127-18-4-----	Tetrachloroethene	0.5	U
108-88-3-----	Toluene	5	
100-41-4-----	Ethylbenzene	0.5	U
67-64-1-----	Acetone	8	B
108-10-1-----	4-Methyl-2-pentanone	2	U
78-93-3-----	2-butanone	2	U
156-60-5-----	trans-1,2-Dichloroethene	0.5	U
156-59-2-----	cis-1,2-Dichloroethene	0.5	U
1330-20-7-----	Xylene (total)	0.5	U

11/18/99

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSW2-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918899

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN018899A52.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/23/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-01-4	Vinyl Chloride	0.5	U
75-09-2	Methylene Chloride	2	B
75-35-4	1,1-Dichloroethene	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
79-01-6	Trichloroethene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
108-88-3	Toluene	0.5	U
100-41-4	Ethylbenzene	0.5	U
67-64-1	Acetone	9	
108-10-1	4-Methyl-2-pentanone	2	U
78-93-3	2-butanone	2	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.4	J
1330-20-7	Xylene (total)	0.5	U

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LA
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSW2-01D

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918900

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN018900A52.D

Level: (low/med) LOW Date Received: 11/12/98

* Moisture: not dec. Date Analyzed: 11/23/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

75-01-4-----	Vinyl Chloride	0.5	U
75-09-2-----	Methylene Chloride	1	B
75-35-4-----	1,1-Dichloroethene	0.5	U
71-55-6-----	1,1,1-Trichloroethane	0.5	U
79-01-6-----	Trichloroethene	0.5	U
79-00-5-----	1,1,2-Trichloroethane	0.5	U
127-18-4-----	Tetrachloroethene	0.5	U
108-88-3-----	Toluene	0.5	U
100-41-4-----	Ethylbenzene	0.5	U
67-64-1-----	Acetone	9	
108-10-1-----	4-Methyl-2-pentanone	2	U
78-93-3-----	2-butanone	2	U
156-60-5-----	trans-1,2-Dichloroethene	0.5	U
156-59-2-----	cis-1,2-Dichloroethene	0.3	J
1330-20-7-----	Xylene (total)	0.5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSWNSL1-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918898

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN018898A52.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/23/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4	Vinyl Chloride	0.5	U
75-09-2	Methylene Chloride	1	B
75-35-4	1,1-Dichloroethene	0.5	U
71-55-6	1,1,1-Trichloroethane	0.3	J
79-01-6	Trichloroethene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
108-88-3	Toluene	0.5	U
100-41-4	Ethylbenzene	0.5	U
67-64-1	Acetone	9	1/3
108-10-1	4-Methyl-2-pentanone	2	U
78-93-3	2-butanone	2	B
156-60-5	trans-1,2-Dichloroethene	0.3	J
156-59-2	cis-1,2-Dichloroethene	3	
1330-20-7	Xylene (total)	0.5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECTGW1-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918744

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN018744B51.D

Level: (low/med) LOW Date Received: 11/11/98

% Moisture: not dec. Date Analyzed: 11/19/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

75-01-4-----	Vinyl Chloride	0.5	U	
75-09-2-----	Methylene Chloride	2	B	
75-35-4-----	1,1-Dichloroethene	0.5	U	
71-55-6-----	1,1,1-Trichloroethane	0.5	U	
79-01-6-----	Trichloroethene	0.5	U	
79-00-5-----	1,1,2-Trichloroethane	0.5	U	
127-18-4-----	Tetrachloroethene	1		
108-88-3-----	Toluene	0.5	U	
100-41-4-----	Ethylbenzene	0.5	U	
67-64-1-----	Acetone	2	U	
108-10-1-----	4-Methyl-2-pentanone	2	B	uJ
78-93-3-----	2-butanone	2	U	uJ
156-60-5-----	trans-1,2-Dichloroethene	0.5	U	
156-59-2-----	cis-1,2-Dichloroethene	0.4	B	uJ
1330-20-7-----	Xylene (total)	0.5	0.4	JB
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW10-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918910

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN018910A52.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/23/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
---------	----------	------	---

75-01-4-----	Vinyl Chloride	25	U	UT
75-09-2-----	Methylene Chloride	50	U	
75-35-4-----	1,1-Dichloroethene	25	U	
71-55-6-----	1,1,1-Trichloroethane	25	U	
79-01-6-----	Trichloroethene	25	U	
79-00-5-----	1,1,2-Trichloroethane	25	U	
127-18-4-----	Tetrachloroethene	25	U	
108-88-3-----	Toluene	25	U	
100-41-4-----	Ethylbenzene	25	U	
67-64-1-----	Acetone	190	U	UT
108-10-1-----	4-Methyl-2-pentanone	120	U	UT
78-93-3-----	2-butanone	120	U	UT
156-60-5-----	trans-1,2-Dichloroethene	25	U	Total 70
156-59-2-----	cis-1,2-Dichloroethene	930	U	
1330-20-7-----	Xylene (total)	25	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW2-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918745

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C3R18745B52.D

Level: (low/med) LOW Date Received: 11/11/98

% Moisture: not dec. Date Analyzed: 11/22/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 3850.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4-----	Vinyl Chloride	1900	U
75-09-2-----	Methylene Chloride	12000	B
75-35-4-----	1,1-Dichloroethene	1900	U
71-55-6-----	1,1,1-Trichloroethane	31000	
79-01-6-----	Trichloroethene	60000	
79-00-5-----	1,1,2-Trichloroethane	1900	U
127-18-4-----	Tetrachloroethene	17000	
108-88-3-----	Toluene	3600	
100-41-4-----	Ethylbenzene	1900	U
67-64-1-----	Acetone	10000	B
108-10-1-----	4-Methyl-2-pentanone	2700	J
78-93-3-----	2-butanone	2200	J
156-60-5-----	trans-1,2-Dichloroethene	1900	U
156-59-2-----	cis-1,2-Dichloroethene	1900	U
1330-20-7-----	Xylene (total)	1900	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW3-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918901

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR018901A52.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/24/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 310.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

75-01-4-----	Vinyl Chloride	280	
75-09-2-----	Methylene Chloride	270	B
75-35-4-----	1,1-Dichloroethene	160	U
71-55-6-----	1,1,1-Trichloroethane	92	J
79-01-6-----	Trichloroethene	160	U
79-00-5-----	1,1,2-Trichloroethane	160	U
127-18-4-----	Tetrachloroethene	160	U
108-88-3-----	Toluene	280	
100-41-4-----	Ethylbenzene	160	U
67-64-1-----	Acetone	550	JB
108-10-1-----	4-Methyl-2-pentanone	250	J
78-93-3-----	2-butanone	780	U
156-60-5-----	trans-1,2-Dichloroethene	160	U
156-59-2-----	cis-1,2-Dichloroethene	5200	
1330-20-7-----	Xylene (total)	110	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW4-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918748

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN018748B51.D

Level: (low/med) LOW Date Received: 11/11/98

% Moisture: not dec. Date Analyzed: 11/19/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

75-01-4-----	Vinyl Chloride	0.5	U	UJ
75-09-2-----	Methylene Chloride	2	B	
75-35-4-----	1,1-Dichloroethene	0.5	U	
71-55-6-----	1,1,1-Trichloroethane	0.5	U	
79-01-6-----	Trichloroethene	5		
79-00-5-----	1,1,2-Trichloroethane	0.5	U	
127-18-4-----	Tetrachloroethene	4		
108-88-3-----	Toluene	0.6	B	U
100-41-4-----	Ethylbenzene	0.5	U	UJ
67-64-1-----	Acetone	2	B	UJ
108-10-1-----	4-Methyl-2-pentanone	2	B	UJ
78-93-3-----	2-butanone	2	U	
156-60-5-----	trans-1,2-Dichloroethene	0.5	U	
156-59-2-----	cis-1,2-Dichloroethene	0.5	B	UJ
1330-20-7-----	Xylene (total)	0.5	B	UJ

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW5-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918586

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN018586A51.D

Level: (low/med) LOW Date Received: 11/10/98

% Moisture: not dec. Date Analyzed: 11/19/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4	Vinyl Chloride	0.5	U
75-09-2	Methylene Chloride	2	B
75-35-4	1,1-Dichloroethene	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
79-01-6	Trichloroethene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
108-88-3	Toluene	0.5	U
100-41-4	Ethylbenzene	0.5	U
67-64-1	Acetone	3	
108-10-1	4-Methyl-2-pentanone	2	U
78-93-3	2-butanone	2	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
1330-20-7	Xylene (total)	0.5	U

11/18

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW5-01T

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918604

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR018604B51.D

Level: (low/med) LOW Date Received: 11/10/98

% Moisture: not dec. Date Analyzed: 11/19/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

75-01-4-----Vinyl Chloride	0.5	U
75-09-2-----Methylene Chloride	3	B
75-35-4-----1,1-Dichloroethene	0.5	U
71-55-6-----1,1,1-Trichloroethane	0.5	U
79-01-6-----Trichloroethene	2	
79-00-5-----1,1,2-Trichloroethane	0.5	U
127-18-4-----Tetrachloroethene	2	
108-88-3-----Toluene	0.4	JB
100-41-4-----Ethylbenzene	0.5	U
67-64-1-----Acetone	2	U
108-10-1-----4-Methyl-2-pentanone	2	U
78-93-3-----2-butanone	2	U
156-60-5-----trans-1,2-Dichloroethene	0.5	U
156-59-2-----cis-1,2-Dichloroethene	0.5	U
1330-20-7-----Xylene (total)	0.5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECTGW6-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918591

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C3R18591A52.D

Level: (low/med) LOW Date Received: 11/10/98

% Moisture: not dec. Date Analyzed: 11/22/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1000.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

75-01-4-----	Vinyl Chloride	430	J	UT
75-09-2-----	Methylene Chloride	970	B	
75-35-4-----	1,1-Dichloroethene	500	U	
71-55-6-----	1,1,1-Trichloroethane	940		
79-01-6-----	Trichloroethene	500	U	
79-00-5-----	1,1,2-Trichloroethane	500	U	
127-18-4-----	Tetrachloroethene	500	U	
108-88-3-----	Toluene	1100		
100-41-4-----	Ethylbenzene	500	U	
67-64-1-----	Acetone	41000	B	
108-10-1-----	4-Methyl-2-pentanone	2300	J	
78-93-3-----	2-butanone	26000		
156-60-5-----	trans-1,2-Dichloroethene	310	J	
156-59-2-----	cis-1,2-Dichloroethene	20000		
1330-20-7-----	Xylene (total)	500	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW7-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918746

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: C2R18746A52.D

Level: (low/med) LOW Date Received: 11/11/98

* Moisture: not dec. Date Analyzed: 11/22/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.7

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4-----	Vinyl Chloride	0.6	J
75-09-2-----	Methylene Chloride	2	B
75-35-4-----	1,1-Dichloroethene	0.8	U
71-55-6-----	1,1,1-Trichloroethane	0.8	U
79-01-6-----	Trichloroethene	4	
79-00-5-----	1,1,2-Trichloroethane	0.8	U
127-18-4-----	Tetrachloroethene	0.4	J
108-88-3-----	Toluene	4	
100-41-4-----	Ethylbenzene	0.8	U
67-64-1-----	Acetone	9	B
108-10-1-----	4-Methyl-2-pentanone	4	U
78-93-3-----	2-butanone	4	U
156-60-5-----	trans-1,2-Dichloroethene	0.7	J
156-59-2-----	cis-1,2-Dichloroethene	23	
1330-20-7-----	Xylene (total)	1	

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LA
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW8-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918747

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN018747B51.D

Level: (low/med) LOW Date Received: 11/11/98

% Moisture: not dec. Date Analyzed: 11/19/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

75-01-4-----	Vinyl Chloride	1	J
75-09-2-----	Methylene Chloride	2	B
75-35-4-----	1,1-Dichloroethene	0.5	U
71-55-6-----	1,1,1-Trichloroethane	0.5	U
79-01-6-----	Trichloroethene	10	
79-00-5-----	1,1,2-Trichloroethane	0.5	U
127-18-4-----	Tetrachloroethene	7	
108-88-3-----	Toluene	0.9	B
100-41-4-----	Ethylbenzene	0.5	U
67-64-1-----	Acetone	15	J
108-10-1-----	4-Methyl-2-pentanone	1	J
78-93-3-----	2-butanone	2	U
156-60-5-----	trans-1,2-Dichloroethene	0.3	J
156-59-2-----	cis-1,2-Dichloroethene	10	B
1330-20-7-----	Xylene (total)	0.6	B

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW8-01B

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918909

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN018909A52.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: not dec. Date Analyzed: 11/23/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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75-01-4-----	Vinyl Chloride	0.5	U	UJ
75-09-2-----	Methylene Chloride	3	B	
75-35-4-----	1,1-Dichloroethene	0.5	U	
71-55-6-----	1,1,1-Trichloroethane	0.5	U	
79-01-6-----	Trichloroethene	0.5	U	
79-00-5-----	1,1,2-Trichloroethane	0.5	U	
127-18-4-----	Tetrachloroethene	0.5	U	
108-88-3-----	Toluene	0.5	U	
100-41-4-----	Ethylbenzene	0.5	U	
67-64-1-----	Acetone	9		
108-10-1-----	4-Methyl-2-pentanone	2	U	
78-93-3-----	2-butanone	2	U	
156-60-5-----	trans-1,2-Dichloroethene	0.5	U	
156-59-2-----	cis-1,2-Dichloroethene	0.5	U	
1330-20-7-----	Xylene (total)	0.5	U	

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VOLATILE ORGANICS ANALYSIS DATA SHEET

ECSGW1-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919212

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: CN019212A52.D

Level: (low/med) LOW

Date Received: 11/13/98

% Moisture: not dec.

Date Analyzed: 11/25/98

GC Column:DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND			
75-01-4-----	Vinyl Chloride	0.5	U	
75-09-2-----	Methylene Chloride	2	B	UJ
75-35-4-----	1,1-Dichloroethene	0.5	U	
71-55-6-----	1,1,1-Trichloroethane	0.5	U	
79-01-6-----	Trichloroethene	0.5	U	
79-00-5-----	1,1,2-Trichloroethane	0.5	U	
127-18-4-----	Tetrachloroethene	0.5	U	
108-88-3-----	Toluene	0.5	U	
100-41-4-----	Ethylbenzene	0.5	U	
67-64-1-----	Acetone	3	B	UJ
108-10-1-----	4-Methyl-2-pentanone	2	U	
78-93-3-----	2-butanone	2	B	UJ
156-60-5-----	trans-1,2-Dichloroethene	0.5	U	
156-59-2-----	cis-1,2-Dichloroethene	0.5	U	
1330-20-7-----	Xylene (total)	0.5	U	

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECSGW2-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919216

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN019216A52.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: not dec. Date Analyzed: 11/25/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4	Vinyl Chloride	3	
75-09-2	Methylene Chloride	2	B
75-35-4	1,1-Dichloroethene	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
79-01-6	Trichloroethene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
108-88-3	Toluene	0.5	U
100-41-4	Ethylbenzene	0.5	U
67-64-1	Acetone	3	B
108-10-1	4-Methyl-2-pentanone	2	U
78-93-3	2-butanone	2	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
156-59-2	cis-1,2-Dichloroethene	3	
1330-20-7	Xylene (total)	0.5	U

LA
VOLATILE ORGANICS ANALYSIS DATA SHEET

ECSCGW3-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919217

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN019217A52.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: not dec. Date Analyzed: 11/25/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4-----	Vinyl Chloride	0.5	U
75-09-2-----	Methylene Chloride	2	B
75-35-4-----	1,1-Dichloroethene	0.5	U
71-55-6-----	1,1,1-Trichloroethane	0.5	U
79-01-6-----	Trichloroethene	0.5	U
79-00-5-----	1,1,2-Trichloroethane	0.5	U
127-18-4-----	Tetrachloroethene	0.5	U
108-88-3-----	Toluene	0.5	U
100-41-4-----	Ethylbenzene	0.5	U
67-64-1-----	Acetone	5	B
108-10-1-----	4-Methyl-2-pentanone	2	U
78-93-3-----	2-butanone	2	B
156-60-5-----	trans-1,2-Dichloroethene	0.5	U
156-59-2-----	cis-1,2-Dichloroethene	0.5	U
1330-20-7-----	Xylene (total)	0.5	U

FORM I VOA

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LA
VOLATILE ORGANICS ANALYSIS DATA SHEET

ECSGW3-01D

Lab Name: COMPUCHEM

Contract: 501176

SDG No.: 00002

Lab Code: COMPU Case No.: 33937 SAS No.:

Lab Sample ID: 919220

Matrix: (soil/water) WATER

Lab File ID: CN019220A52.D

Sample wt/vol: 25.0 (g/mL) ML

Date Received: 11/13/98

Level: (low/med) LOW

Date Analyzed: 11/25/98

* Moisture: not dec.

GC Column:DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND	UG/L	Q
75-01-4	Vinyl Chloride	0.5	U
75-09-2	Methylene Chloride	2	B
75-35-4	1,1-Dichloroethene	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
79-01-6	Trichloroethene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
108-88-3	Toluene	0.5	U
100-41-4	Ethylbenzene	0.5	U
67-64-1	Acetone	6	B
108-10-1	4-Methyl-2-pentanone	2	U
78-93-3	2-butanone	2	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
1330-20-7	Xylene (total)	0.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

ECSGW4-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919221

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN019221A52.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: not dec. Date Analyzed: 11/25/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	0.5	U	J T
75-01-4-----	Vinyl Chloride _____	2	B	
75-09-2-----	Methylene Chloride _____	0.5	U	
75-35-4-----	1,1-Dichloroethene _____	0.5	U	
71-55-6-----	1,1,1-Trichloroethane _____	0.5	U	
79-01-6-----	Trichloroethene _____	0.5	U	
79-00-5-----	1,1,2-Trichloroethane _____	0.5	U	
127-18-4-----	Tetrachloroethene _____	0.5	U	
108-88-3-----	Toluene _____	0.5	U	
100-41-4-----	Ethylbenzene _____	0.5	U	
67-64-1-----	Acetone _____	2	B	J T
108-10-1-----	4-Methyl-2-pentanone _____	2	U	
78-93-3-----	2-butanone _____	2	B	U T
156-60-5-----	trans-1,2-Dichloroethene _____	0.5	U	
156-59-2-----	cis-1,2-Dichloroethene _____	0.5	U	
1330-20-7-----	Xylene (total) _____	0.5	U	

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

ECSGW4-01B

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919222

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN019222A52.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: not dec. Date Analyzed: 11/25/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND			
75-01-4	Vinyl Chloride	0.5	U	
75-09-2	Methylene Chloride	2	B	✓5
75-35-4	1,1-Dichloroethene	0.5	U	
71-55-6	1,1,1-Trichloroethane	0.5	U	
79-01-6	Trichloroethene	0.5	U	
79-00-5	1,1,2-Trichloroethane	0.5	U	
127-18-4	Tetrachloroethene	0.5	U	
108-88-3	Toluene	0.5	U	
100-41-4	Ethylbenzene	0.5	U	
67-64-1	Acetone	4	B	✓5
108-10-1	4-Methyl-2-pentanone	2	U	
78-93-3	2-butanone	2	U	✓5
156-60-5	trans-1,2-Dichloroethene	0.5	U	
156-59-2	cis-1,2-Dichloroethene	0.5	U	
1330-20-7	Xylene (total)	0.5	U	

FORM I VOA

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LA
VOLATILE ORGANICS ANALYSIS DATA SHEET

ECSGW4-01T

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919224

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CR019224B54.D

Level: (low/med) LOW Date Received: 11/13/98

Moisture: not dec. Date Analyzed: 11/25/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND		
75-01-4	Vinyl Chloride	0.5	U
75-09-2	Methylene Chloride	3	B
75-35-4	1,1-Dichloroethene	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
79-01-6	Trichloroethene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
108-88-3	Toluene	0.5	U
100-41-4	Ethylbenzene	0.5	U
67-64-1	Acetone	2	
108-10-1	4-Methyl-2-pentanone	2	U
78-93-3	2-butanone	2	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
1330-20-7	Xylene (total)	0.5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

ECTIGW9-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919191

Sample wt/vol: 25.0 (g/mL) ML

Lab File ID: CN019191A52.D

Level: (low/med) LOW

Date Received: 11/13/98

% Moisture: not dec.

Date Analyzed: 11/25/98

GC Column:DB624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

75-01-4-----	Vinyl Chloride	0.5	U	
75-09-2-----	Methylene Chloride	2	B	UJ
75-35-4-----	1,1-Dichloroethene	0.5	U	
71-55-6-----	1,1,1-Trichloroethane	0.5	U	
79-01-6-----	Trichloroethene	0.5	U	
79-00-5-----	1,1,2-Trichloroethane	0.5	U	
127-18-4-----	Tetrachloroethene	0.5	U	
108-88-3-----	Toluene	0.5	U	
100-41-4-----	Ethylbenzene	0.5	U	
67-64-1-----	Acetone	5	B	UJ
108-10-1-----	4-Methyl-2-pentanone	2	U	
78-93-3-----	2-butanone	2	U	UJ
156-60-5-----	trans-1,2-Dichloroethene	0.5	U	
156-59-2-----	cis-1,2-Dichloroethene	1		
1330-20-7-----	Xylene (total)	0.5	U	

FORM I VOA

HLL/19

LA
VOLATILE ORGANICS ANALYSIS DATA SHEET

ECTIGW9-01MS

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919193

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN019193B54.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: not dec. Date Analyzed: 11/25/98

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

CAS NO.	COMPOUND		
75-01-4-----	Vinyl Chloride_____	0.5	U
75-09-2-----	Methylene Chloride_____	2	B
75-35-4-----	1,1-Dichloroethene_____	5	
71-55-6-----	1,1,1-Trichloroethane_____	0.5	U
79-01-6-----	Trichloroethene_____	5	
79-00-5-----	1,1,2-Trichloroethane_____	0.5	U
127-18-4-----	Tetrachloroethene_____	0.5	U
108-88-3-----	Toluene_____	5	
100-41-4-----	Ethylbenzene_____	0.5	U
67-64-1-----	Acetone_____	5	
108-10-1-----	4-Methyl-2-pentanone_____	2	U
78-93-3-----	2-butanone_____	2	U
156-60-5-----	trans-1,2-Dichloroethene_____	0.5	U
156-59-2-----	cis-1,2-Dichloroethene_____	1	
1330-20-7-----	Xylene (total)_____	0.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: COMPUCHEM

Contract: 501176

ECTGW9-01MSD

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919194

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: CN019194B54.D

Level: (low/med) LOW Date Received: 11/13/98

† Moisture: not dec. Date Analyzed: 11/25/98 *MHD*

GC Column:DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

75-01-4-----	Vinyl Chloride	0.5	U
75-09-2-----	Methylene Chloride	3	B
75-35-4-----	1,1-Dichloroethene	5	
71-55-6-----	1,1,1-Trichloroethane	0.5	U
79-01-6-----	Trichloroethene	6	
79-00-5-----	1,1,2-Trichloroethane	0.5	U
127-18-4-----	Tetrachloroethene	0.5	U
108-88-3-----	Toluene	6	
100-41-4-----	Ethylbenzene	0.5	U
67-64-1-----	Acetone	6	
108-10-1-----	4-Methyl-2-pentanone	2	U
78-93-3-----	2-butanone	2	U
156-60-5-----	trans-1,2-Dichloroethene	0.5	U
156-59-2-----	cis-1,2-Dichloroethene	1	
1330-20-7-----	Xylene (total)	0.5	U

AK 1/19

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW4D-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918911

Sample wt/vol: 1050 (g/mL) ML

Lab File ID: GH018911A60.D

Level: (low/med) LOW

Date Received: 11/12/98

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 11/13/98

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/17/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

108-95-2-----Phenol		10	U
95-50-1-----1,2-Dichlorobenzene		10	U
78-59-1-----Isophorone		10	U
91-20-3-----Naphthalene		10	U
84-66-2-----Diethylphthalate		10	U
84-74-2-----Di-n-butylphthalate		10	U
117-81-7-----bis(2-ethylhexyl) Phthalate		10	U

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECSW1-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918897

Sample wt/vol: 1050 (g/mL) ML Lab File ID: GH018897B60.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2-----Phenol		10	U	uJ
95-50-1-----1,2-Dichlorobenzene		10	U	
78-59-1-----Isophorone		10	U	
91-20-3-----Naphthalene		10	U	
84-66-2-----Diethylphthalate		10	U	
84-74-2-----Di-n-butylphthalate		10	U	
117-81-7-----bis(2-ethylhexyl) Phthalate		10	U	

FORM I SV-1

AK 1/19

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM Contract: 501176

ECSW2-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918899

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH018899A60.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/13/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)	N	CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L Q

108-95-2-----	Phenol	10	U	uS
95-50-1-----	1,2-Dichlorobenzene	10	U	
78-59-1-----	Isophorone	10	U	
91-20-3-----	Naphthalene	10	U	
84-66-2-----	Diethylphthalate	10	U	
84-74-2-----	Di-n-butylphthalate	10	U	
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U	

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSW2-01D

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918900

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH018900A60.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/13/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2-----	Phenol	10	U
95-50-1-----	1, 2-Dichlorobenzene	10	U
78-59-1-----	Isophorone	10	U
91-20-3-----	Naphthalene	10	U
84-66-2-----	Diethylphthalate	10	U
84-74-2-----	Di-n-butylphthalate	10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U

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FORM I SV-1

11/1/97

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECSWNSL1-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918898

Sample wt/vol: 500 (g/mL) ML Lab File ID: GJ018898A60.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/13/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)	N	CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
108-95-2	Phenol	10	U	
95-50-1	1,2-Dichlorobenzene	10	U	
78-59-1	Isophorone	10	U	
91-20-3	Naphthalene	10	U	
84-66-2	Diethylphthalate	10	U	
84-74-2	Di-n-butylphthalate	10	U	
117-81-7	bis(2-ethylhexyl) Phthalate	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECTGW1-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918744

Sample wt/vol: 1040 (g/mL) ML Lab File ID: GH018744A64.D

Level: (low/med) LOW Date Received: 11/11/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/13/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2-----Phenol	16	
95-50-1-----1,2-Dichlorobenzene	10	U
78-59-1-----Isophorone	10	U
91-20-3-----Naphthalene	10	U
84-66-2-----Diethylphthalate	10	U
84-74-2-----Di-n-butylphthalate	10	U
117-81-7-----bis(2-ethylhexyl) Phthalate	10	U

FORM I SV-1

AK 1/19

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTIGW10-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918910

Sample wt/vol: 970 (g/mL) ML Lab File ID: GH018910A60.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2-----	Phenol		10	U
95-50-1-----	1,2-Dichlorobenzene		10	U
78-59-1-----	Isophorone		10	U
91-20-3-----	Naphthalene		10	U
84-66-2-----	Diethylphthalate		10	U
84-74-2-----	Di-n-butylphthalate		10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate		10	U

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OK 11/9

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW2-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918745

Sample wt/vol: 1030 (g/mL) ML Lab File ID: GH018745A64.D

Level: (low/med) LOW Date Received: 11/11/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/13/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2-----Phenol	250	\$	LR
95-50-1-----1,2-Dichlorobenzene	180	E	
78-59-1-----Isophorone	380	E	
91-20-3-----Naphthalene	6	J	
84-66-2-----Diethylphthalate	1	J	
84-74-2-----Di-n-butylphthalate	10	U	
117-81-7-----bis(2-ethylhexyl) Phthalate	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW2-01RE

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918745

Sample wt/vol: 400 (g/mL) ML Lab File ID: GRD18745A64.D

Level: (low/med) LOW Date Received: 11/11/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/23/98

Concentrated Extract Volume: 400 (uL) Date Analyzed: 11/24/98

Injection Volume: 1.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2-----	Phenol	500	J
95-50-1-----	1,2-Dichlorobenzene	6900	J
78-59-1-----	Isophorone	390	J
91-20-3-----	Naphthalene	410	J
84-66-2-----	Diethylphthalate	500	J
84-74-2-----	Di-n-butylphthalate	59	J
117-81-7-----	bis(2-ethylhexyl) Phthalate	1300	J

MM/119

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGWS-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918903

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH018903A60.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/13/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)	N	CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L

		Q	
108-95-2-----	Phenol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
78-59-1-----	Isophorone	10	U
91-20-3-----	Naphthalene	10	U
84-66-2-----	Diethylphthalate	10	U
84-74-2-----	Di-n-butylphthalate	10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate	4	J

Ad 1/19

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECTGW6-01

Lab Name: COMPUCHEM Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918591

Sample wt/vol: 910 (g/mL) ML Lab File ID: GH018591A64.D

Level: (low/med) LOW Date Received: 11/10/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/11/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)	N	CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L

		Q	R
108-95-2-----	Phenol	490	E
95-50-1-----	1,2-Dichlorobenzene	26	
78-59-1-----	Isophorone	4	J
91-20-3-----	Naphthalene	14	
84-66-2-----	Diethylphthalate	3	J
84-74-2-----	Di-n-butylphthalate	11	U
117-81-7-----	bis(2-ethylhexyl) Phthalate	1	J

FORM I SV-1

AK 1/19

1B
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECTGW6-01DL

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918591

Sample wt/vol: 910 (g/mL) ML Lab File ID: GD018591A64.D

Level: (low/med) LOW Date Received: 11/10/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/10/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/12/98

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N)	N	CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
108-95-2	Phenol	870	D	R
95-50-1	1,2-Dichlorobenzene	49	DU	↑
78-59-1	Isophorone	110	U	↓
91-20-3	Naphthalene	18	DU	↑
84-66-2	Diethylphthalate	110	U	↓
84-74-2	Di-n-butylphthalate	110	U	↓
117-81-7	bis(2-ethylhexyl) Phthalate	110	U	↓

FORM I SV-1

AK 1/9

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW7-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918746

Sample wt/vol: 980 (g/mL) ML Lab File ID: GH018746A64.D

Level: (low/med) LOW Date Received: 11/11/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/12/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/13/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N)	CONCENTRATION UNITS:
CAS NO.	(ug/L or ug/Kg) UG/L Q

108-95-2-----Phenol	29	
95-50-1-----1,2-Dichlorobenzene	2	J
78-59-1-----Isophorone	10	U
91-20-3-----Naphthalene	10	U
84-66-2-----Diethylphthalate	10	U
84-74-2-----Di-n-butylphthalate	10	U
117-81-7-----bis(2-ethylhexyl) Phthalate	1	J

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW8-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918747

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH018747A64.D

Level: (low/med) LOW Date Received: 11/11/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/12/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/13/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2-----Phenol	16	
95-50-1-----1,2-Dichlorobenzene	10	U
78-59-1-----Isophorone	10	U
91-20-3-----Naphthalene	10	U
84-66-2-----Diethylphthalate	10	U
84-74-2-----Di-n-butylphthalate	10	U
117-81-7-----bis(2-ethylhexyl) Phthalate	1	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW8-01B

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918909

Sample wt/vol: 960 (g/mL) ML Lab File ID: GH018909A60.D

Level: (low/med) LOW Date Received: 11/12/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/13/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/17/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2	Phenol	10	U	
95-50-1	1,2-Dichlorobenzene	10	U	
78-59-1	Isophorone	10	U	
91-20-3	Naphthalene	10	U	
84-66-2	Diethylphthalate	10	U	
84-74-2	Di-n-butylphthalate	10	U	
117-81-7	bis(2-ethylhexyl) Phthalate	10	U	us.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW1-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919212

Sample wt/vol: 1040 (g/mL) ML Lab File ID: GH019212A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
108-95-2-----	Phenol	10	U	
95-50-1-----	1,2-Dichlorobenzene	10	U	
78-59-1-----	Isophorone	10	U	uJ
91-20-3-----	Naphthalene	10	U	
84-66-2-----	Diethylphthalate	10	U	
84-74-2-----	Di-n-butylphthalate	10	U	
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U	uJ

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW1-01M

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919218

Sample wt/vol: 1040 (g/mL) ML Lab File ID: GH019218A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
108-95-2-----	Phenol	10	U	
95-50-1-----	1,2-Dichlorobenzene	10	U	
78-59-1-----	Isophorone	10	U	UT
91-20-3-----	Naphthalene	10	U	
84-66-2-----	Diethylphthalate	10	U	
84-74-2-----	Di-n-butylphthalate	10	U	
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U	UT

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW2-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919216

Sample wt/vol: 1040 (g/mL) ML Lab File ID: GH019216A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

108-95-2-----	Phenol	10	U	UJ
95-50-1-----	1,2-Dichlorobenzene	10	U	
78-59-1-----	Isophorone	10	U	
91-20-3-----	Naphthalene	10	U	
84-66-2-----	Diethylphthalate	10	U	
84-74-2-----	Di-n-butylphthalate	10	U	
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECSGW2-01M

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919219

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH019219A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/17/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/20/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
108-95-2-----	Phenol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
78-59-1-----	Isophorone	10	U
91-20-3-----	Naphthalene	10	U
84-66-2-----	Diethylphthalate	10	U
84-74-2-----	Di-n-butylphthalate	10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U

AK/1/20

1B
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECSGW2-01MRE

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919219

Sample wt/vol: 500 (g/mL) ML Lab File ID: GR019219A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/23/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/23/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
108-95-2-----	Phenol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
78-59-1-----	Isophorone	10	U
91-20-3-----	Naphthalene	10	U
84-66-2-----	Diethylphthalate	10	U
84-74-2-----	Di-n-butylphthalate	10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECSGW3-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919217

Sample wt/vol: 1040 (g/mL) ML Lab File ID: GH019217A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
108-95-2-----	Phenol	10	U	
95-50-1-----	1,2-Dichlorobenzene	10	U	
78-59-1-----	Isophorone	10	U	u.s.
91-20-3-----	Naphthalene	10	U	
84-66-2-----	Diethylphthalate	10	U	
84-74-2-----	Di-n-butylphthalate	10	U	
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U	u.s.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW3-01D

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919220

Sample wt/vol: 1040 (g/mL) ML Lab File ID: GJ019220A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q	
108-95-2-----	Phenol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
78-59-1-----	Isophorone	10	U
91-20-3-----	Naphthalene	10	U
84-66-2-----	Diethylphthalate	10	U
84-74-2-----	Di-n-butylphthalate	10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW4-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919221

Sample wt/vol: 1040 (g/mL) ML Lab File ID: GH019221A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
108-95-2-----	Phenol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
78-59-1-----	Isophorone	10	U
91-20-3-----	Naphthalene	10	U
84-66-2-----	Diethylphthalate	10	U
84-74-2-----	Di-n-butylphthalate	10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW4-01B

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919222

Sample wt/vol: 1040 (g/mL) ML Lab File ID: GJ019222A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
108-95-2-----	Phenol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
78-59-1-----	Isophorone	10	U
91-20-3-----	Naphthalene	10	U
84-66-2-----	Diethylphthalate	10	U
84-74-2-----	Di-n-butylphthalate	10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECTGW3-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919407

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH019407A60.D

Level: (low/med) LOW Date Received: 11/16/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/19/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

<u>CAS NO.</u>	<u>COMPOUND</u>	<u>CONCENTRATION UNITS:</u> (ug/L or ug/Kg)	<u>UG/L</u>	<u>Q</u>
108-95-2-----	Phenol		10	
95-50-1-----	1,2-Dichlorobenzene		21	
78-59-1-----	Isophorone		3	J
91-20-3-----	Naphthalene		4	J
84-66-2-----	Diethylphthalate		10	U
84-74-2-----	Di-n-butylphthalate		10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate		29	

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

ECTGW4A-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919408

Sample wt/vol: 500 (g/mL) ML Lab File ID: GH019408A60.D

Level: (low/med) LOW Date Received: 11/16/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/19/98

Concentrated Extract Volume: 500 (uL) Date Analyzed: 11/22/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
108-95-2-----	Phenol		10	U
95-50-1-----	1,2-Dichlorobenzene		10	U
78-59-1-----	Isophorone		10	U
91-20-3-----	Naphthalene		10	U
84-66-2-----	Diethylphthalate		10	U
84-74-2-----	Di-n-butylphthalate		10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate		5	J

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MM/1/20

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW9-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919191

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH019191A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/17/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/20/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
108-95-2-----	Phenol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
78-59-1-----	Isophorone	10	U
91-20-3-----	Naphthalene	10	U
84-66-2-----	Diethylphthalate	10	U
84-74-2-----	Di-n-butylphthalate	10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate	4	J

ALL 1/20

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGWMW13-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919199

Sample wt/vol: 1040 (g/mL) ML Lab File ID: GR019199A64.D

Level: (low/med) LOW Date Received: 11/13/98

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 11/21/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/21/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
108-95-2-----	Phenol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
78-59-1-----	Isophorone	10	U
91-20-3-----	Naphthalene	10	U
84-66-2-----	Diethylphthalate	10	U
84-74-2-----	Di-n-butylphthalate	10	U
117-81-7-----	bis(2-ethylhexyl) Phthalate	10	U

Att, 1/20

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSCGW4D-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918911

Sample wt/vol: 1050 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/12/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/13/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/14/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	0.95	U
11104-28-2-----	Aroclor-1221	1.9	U
11141-16-5-----	Aroclor-1232	0.95	U
53469-21-9-----	Aroclor-1242	0.95	U
12672-29-6-----	Aroclor-1248	0.95	U
11097-69-1-----	Aroclor-1254	0.95	U
11096-82-5-----	Aroclor-1260	0.95	U

FORM I
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSW1-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918897

Sample wt/vol: 1040 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/12/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/13/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/14/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

12674-11-2-----	Aroclor-1016	0.96	U
11104-28-2-----	Aroclor-1221	1.9	U
11141-16-5-----	Aroclor-1232	0.96	U
53469-21-9-----	Aroclor-1242	0.96	U
12672-29-6-----	Aroclor-1248	0.96	U
11097-69-1-----	Aroclor-1254	0.96	U
11096-82-5-----	Aroclor-1260	0.96	U

FORM I PEST

TLC
01/20/99

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSW2-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918899

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/12/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/13/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/14/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
12674-11-2-----	Aroclor-1016		1.0	U
11104-28-2-----	Aroclor-1221		2.0	U
11141-16-5-----	Aroclor-1232		1.0	U
53469-21-9-----	Aroclor-1242		1.0	U
12672-29-6-----	Aroclor-1248		1.0	U
11097-69-1-----	Aroclor-1254		1.0	U
11096-82-5-----	Aroclor-1260		1.0	U

**FORM I
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

ECSW2-01D

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918900

Sample wt/vol:

500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____

decanted: (Y/N) _____

Date Received: 11/12/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/13/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/14/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSWNSL1-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918898

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/12/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/13/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/14/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q	
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM	Contract: 501176	ECTGW1-01
Lab Code: COMPU	Case No.: 33937	SAS No.: SDG No.: 00001
Matrix: (soil/water) WATER	Lab Sample ID: 918744	
Sample wt/vol:	500.0 (g/mL) ML	Lab File ID: _____
% Moisture: _____	decanted: (Y/N) _____	Date Received: 11/11/98
Extraction: (SepF/Cont/Sonc) SEPF	Date Extracted: 11/12/98	
Concentrated Extract Volume:	5000 (uL)	Date Analyzed: 11/13/98
Injection Volume:	2.0 (uL)	Dilution Factor: 1.0
GPC Cleanup: (Y/N) N	pH: _____	Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q	
12674-11-2-----Aroclor-1016		1.0	U
11104-28-2-----Aroclor-1221		2.0	U
11141-16-5-----Aroclor-1232		1.0	U
53469-21-9-----Aroclor-1242		1.0	U
12672-29-6-----Aroclor-1248		1.0	U
11097-69-1-----Aroclor-1254		1.0	U
11096-82-5-----Aroclor-1260		1.0	U

FORM I PEST

TLC
01/20/99

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW10-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918910

Sample wt/vol: 1050 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/12/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/13/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/14/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	0.95	U
11104-28-2-----	Aroclor-1221	1.9	U
11141-16-5-----	Aroclor-1232	0.95	U
53469-21-9-----	Aroclor-1242	0.95	U
12672-29-6-----	Aroclor-1248	0.95	U
11097-69-1-----	Aroclor-1254	0.95	U
11096-82-5-----	Aroclor-1260	0.95	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ECTGW2-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918745

Sample wt/vol:

500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____

decanted: (Y/N) _____

Date Received: 11/11/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/12/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/13/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----Aroclor-1016	_____	1.0	U
11104-28-2-----Aroclor-1221	_____	2.0	U
11141-16-5-----Aroclor-1232	_____	1.0	U
53469-21-9-----Aroclor-1242	_____	1.0	U
12672-29-6-----Aroclor-1248	_____	1.0	U
11097-69-1-----Aroclor-1254	_____	1.0	U
11096-82-5-----Aroclor-1260	_____	1.0	U

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW6-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918591

Sample wt/vol:

500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____

decanted: (Y/N) _____

Date Received: 11/10/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/12/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/13/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
12674-11-2-----	Aroclor-1016		1.0	U
11104-28-2-----	Aroclor-1221		2.0	U
11141-16-5-----	Aroclor-1232		1.0	U
53469-21-9-----	Aroclor-1242		1.0	U
12672-29-6-----	Aroclor-1248		1.0	U
11097-69-1-----	Aroclor-1254		1.0	U
11096-82-5-----	Aroclor-1260		1.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW7-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix: (soil/water) WATER Lab Sample ID: 918746

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: 11/11/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/12/98

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/13/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM	Contract: 501176	ECTGW8-01
Lab Code: COMPU	Case No.: 33937	SAS No.: SDG No.: 00001
Matrix: (soil/water) WATER	Lab Sample ID: 918908	
Sample wt/vol:	500.0 (g/mL) ML	Lab File ID: _____
% Moisture:	decanted: (Y/N) _____	Date Received: 11/12/98
Extraction: (SepF/Cont/Sonc) SEPF	Date Extracted: 11/13/98	
Concentrated Extract Volume:	5000 (uL)	Date Analyzed: 11/14/98
Injection Volume:	2.0 (uL)	Dilution Factor: 1.0
GPC Cleanup: (Y/N) N	pH: 6.0	Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

FORM I PEST

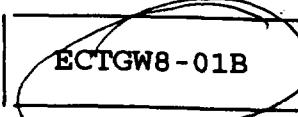
TLC
5/12/2012

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176



Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00001

Matrix: (soil/water) WATER

Lab Sample ID: 918909

Sample wt/vol: 1050 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/12/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/13/98

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/14/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
---------	----------	---	------	---

12674-11-2-----Aroclor-1016		0.95	U
11104-28-2-----Aroclor-1221		1.9	U
11141-16-5-----Aroclor-1232		0.95	U
53469-21-9-----Aroclor-1242		0.95	U
12672-29-6-----Aroclor-1248		0.95	U
11097-69-1-----Aroclor-1254		0.95	U
11096-82-5-----Aroclor-1260		0.95	U

FORM I PEST

TLC
04/20/99

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW1-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919212

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/13/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/21/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.5

Sulfur Cleanup: (Y/N) N

<u>CAS NO.</u>	<u>COMPOUND</u>	<u>CONCENTRATION UNITS:</u> (ug/L or ug/Kg) UG/L	<u>Q</u>
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

TLC
01/21/99

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW1-01M

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919218

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/13/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/23/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q	
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

TLC
01/21/99

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ECSGW2-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919216

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/13/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/21/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

TLC
01/21/99

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW2-01M

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919219

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/13/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/21/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

12674-11-2-----Aroclor-1016		1.0	U
11104-28-2-----Aroclor-1221		2.0	U
11141-16-5-----Aroclor-1232		1.0	U
53469-21-9-----Aroclor-1242		1.0	U
12672-29-6-----Aroclor-1248		1.0	U
11097-69-1-----Aroclor-1254		1.0	U
11096-82-5-----Aroclor-1260		1.0	U

TLC
01/21/99

**FORM I
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

ECSGW3-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919217

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/13/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/21/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

**CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L**

Q

12674-11-2-----Aroclor-1016		1.0	U
11104-28-2-----Aroclor-1221		2.0	U
11141-16-5-----Aroclor-1232		1.0	U
53469-21-9-----Aroclor-1242		1.0	U
12672-29-6-----Aroclor-1248		1.0	U
11097-69-1-----Aroclor-1254		1.0	U
11096-82-5-----Aroclor-1260		1.0	U

TLC
01/21/99

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW3-01D

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919220

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/13/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/21/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 5.5

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

12674-11-2-----Aroclor-1016	1.0	U
11104-28-2-----Aroclor-1221	2.0	U
11141-16-5-----Aroclor-1232	1.0	U
53469-21-9-----Aroclor-1242	1.0	U
12672-29-6-----Aroclor-1248	1.0	U
11097-69-1-----Aroclor-1254	1.0	U
11096-82-5-----Aroclor-1260	1.0	U

TLC
01/21/99

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW4-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919221

Sample wt/vol:

500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____

decanted: (Y/N) _____

Date Received: 11/13/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/21/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N **pH:** 5.5

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q	
		UG/L	Q
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

TC
01/21/99

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECSGW4-01B

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919222

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ **decanted:** (Y/N) _____

Date Received: 11/13/98

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/17/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/23/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N **pH:** 5.0

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

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01/21/99

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW3-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919407

Sample wt/vol:

500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____

decanted: (Y/N) _____

Date Received: 11/16/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/23/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

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01/21/99

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW4A-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919408

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/16/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/23/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) N

<u>CAS NO.</u>	<u>COMPOUND</u>	<u>CONCENTRATION UNITS:</u> (ug/L or ug/Kg) UG/L	<u>Q</u>
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

TC
01/21/99

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

ECTGW5-01

Lab Name: COMPUCHEM

Contract: 501176

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919409

Sample wt/vol:

500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____

decanted: (Y/N) _____

Date Received: 11/16/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/23/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 5.5

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

12674-11-2-----Aroclor-1016
 11104-28-2-----Aroclor-1221
 11141-16-5-----Aroclor-1232
 53469-21-9-----Aroclor-1242
 12672-29-6-----Aroclor-1248
 11097-69-1-----Aroclor-1254
 11096-82-5-----Aroclor-1260

1.0 U
 2.0 U
 1.0 U
 1.0 U
 1.0 U
 1.0 U
 1.0 U
 1.0 U

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01/21/99

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGW9-01

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix: (soil/water) WATER Lab Sample ID: 919191

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____ Date Received: 11/13/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/21/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
12674-11-2-----	Aroclor-1016		1.0	U
11104-28-2-----	Aroclor-1221		2.0	U
11141-16-5-----	Aroclor-1232		1.0	U
53469-21-9-----	Aroclor-1242		1.0	U
12672-29-6-----	Aroclor-1248		1.0	U
11097-69-1-----	Aroclor-1254		1.0	U
11096-82-5-----	Aroclor-1260		1.0	U

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01/21/99

**FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET**

CLIENT SAMPLE NO.

Lab Name: COMPUCHEM

Contract: 501176

ECTGWMW13-01

Lab Code: COMPU

Case No.: 33937

SAS No.:

SDG No.: 00002

Matrix: (soil/water) WATER

Lab Sample ID: 919199

Sample wt/vol: 500.0 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/13/98

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 11/18/98

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/21/98

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

12674-11-2-----Aroclor-1016		1.0	U
11104-28-2-----Aroclor-1221		2.0	U
11141-16-5-----Aroclor-1232		1.0	U
53469-21-9-----Aroclor-1242		1.0	U
12672-29-6-----Aroclor-1248		1.0	U
11097-69-1-----Aroclor-1254		1.0	U
11096-82-5-----Aroclor-1260		1.0	U

TLC
11/21/98

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSGW4D-01

Lab Name: COMPUCHEM_ENV._CORP. Contract: SW-846

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix (soil/water): WATER Lab Sample ID: 918911

Level (low/med): LOW Date Received: 11/12/98

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	305			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	25.6		3	P
7440-02-0	Nickel	0.84	3	3	P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	1.5	U		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	4.7	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

1/16/99
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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSWNSL1-01

ab Name: COMPUCHEM_ENV._CORP. _____ Contract: SW-846 _____

ab Code: COMPU_ Case No.: 33937_ SAS No.: _____ SDG No.: 00001_

atrix (soil/water): WATER Lab Sample ID: 918898

evel (low/med): LOW Date Received: 11/12/98

Solids: _____ 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L _____

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	52.6			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.1	B	J	P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	136		J	P
7440-02-0	Nickel	14.5			P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.68	B	U	P
7440-66-6	Zinc	1.5	U		P
7440-31-5	Cyanide	10.0	U		AS
	Tin	4.7	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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SW846

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSW1-01

b Name: COMPUCHEM_ENV._CORP. _____ Contract: SW-846 _____

b Code: COMPU_ Case No.: 33937_ SAS No.: _____ SDG No.: 00001_

Matrix (soil/water): WATER Lab Sample ID: 918897

Level (low/med): LOW Date Received: 11/12/98

Solids: _____.0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	41.1			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.1	B	J	P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	106		J	P
7440-02-0	Nickel	15.9			P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.42	B	U	P
7440-66-6	Zinc	1.5	U		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	4.7	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSW2-01

Lab Name: COMPUCHEM_ENV._CORP. Contract: SW-846

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix (soil/water): WATER Lab Sample ID: 918899

Level (low/med): LOW Date Received: 11/12/98

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	2.1	B	J	P
7440-39-3	Barium	62.0			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.2	B	J	P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	150		J	P
7440-02-0	Nickel	13.5			P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.45	B	U	P
7440-66-6	Zinc	1.5	U		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	4.7	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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SW846

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSW2-01D

b Name: COMPUCHEM ENV. CORP. Contract: SW-846

b Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix (soil/water): WATER Lab Sample ID: 918900

Level (low/med): LOW Date Received: 11/12/98

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	62.1			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.1	X	J	P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	170		J	P
7440-02-0	Nickel	14.0			P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.56	X	J	P
7440-66-6	Zinc	1.5	U		P
7440-31-5	Cyanide	10.0	U		AS
	Tin	4.7	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:


 11/16/99 SW846

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECTGW1-01

Name: COMPUCHEM ENV. CORP. Contract: SW-846

Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix (soil/water): WATER Lab Sample ID: 918744

Level (low/med): LOW Date Received: 11/11/98

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	3.6	B	J	P
7440-39-3	Barium	425			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	115		J	P
7440-02-0	Nickel	0.70	U		P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.51	B	U	P
7440-66-6	Zinc	1.5	U		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	4.7	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECTGW2 - 01

.ab Name: COMPUCHEM ENV. CORP. Contract: SW-846

ab Code: COMPU_ Case No.: 33937_ SAS No.: _____ SDG No.: 00001_

Matrix (soil/water): WATER Lab Sample ID: 918745

Level (low/med) : LOW Date Received: 11/11/98

: Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS **Clarity After:** CLEAR **Artifacts:**

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECTGW3-01

Lab Name: COMPUCHEM_ENV._CORP. _____ Contract: SW-846 _____

Lab Code: COMPU_ Case No.: 33937_ SAS No.: _____ SDG No.: 00001_

Matrix (soil/water): WATER Lab Sample ID: 918901

Level (low/med): LOW_ Date Received: 11/12/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	9.7	B	J	P
7440-39-3	Barium	189			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	24.7		J	P
7440-02-0	Nickel	40.3			P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.56	B	U	P
7440-66-6	Zinc	1.5	U		P
	Cyanide	26.7			AS
7440-31-5	Tin	4.7	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECTGW4A-01

b Name: COMPUCHEM_ENV._CORP. Contract: SW-846

b Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix (soil/water): WATER Lab Sample ID: 918902

Level (low/med): LOW Date Received: 11/12/98

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	197			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.1	B	J	P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	63.0		J	P
7440-02-0	Nickel	7.2			P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	1.5	U		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	4.7	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

[Handwritten notes and signatures]

11/16/99

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECTGW5-01

Lab Name: COMPUCHEM ENV. CORP. Contract: SW-846

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix (soil/water): WATER Lab Sample ID: 918903

Level (low/med): LOW Date Received: 11/12/98

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	2.3	B	J	P
7440-39-3	Barium	89.3			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	321		J	P
7440-02-0	Nickel	1.4	B	J	P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	1.5	U		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	4.7	U		P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECTGW6-01

ab Name: COMPUTECH ENV. CORP. _____ Contract: SW-846 _____

ab Code: COMPU Case No.: 33937 SAS No.: _____ SDG No.: 00001

atrix (soil/water): WATER Lab Sample ID: 918591

evel (low/med): LOW Date Received: 11/10/98

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	4.4	B	J	P
7440-38-2	Arsenic	25.9	-	-	P
7440-39-3	Barium	2060	-	-	P
7440-41-7	Beryllium	0.20	U	-	P
7440-43-9	Cadmium	6.5	-	-	P
7439-92-1	Lead	0.70	U	-	P
7439-96-5	Manganese	2820	-	J	P
7440-02-0	Nickel	43.0	-	-	P
7440-22-4	Silver	0.40	U	-	P
7440-62-2	Vanadium	1.9	B	U	P
7440-66-6	Zinc	1.5	U	-	P
7440-31-5	Cyanide	10.0	U	-	AS
	Tin	4.7	U	-	P

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments:

Duplicate (ECTGW6-01D) _____

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INORGANIC A

SAMPLE NO.

Lab Name: COMPUChem ENV. CORP.

17-01

Lab Code: COMPU Case No.: 339

..: 00001

Matrix (soil/water): WATER

18746

Level (low/med): LOW

1/11/98

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	3.5	B	I	P
7440-39-3	Barium	44.6			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	0.88	B	U	P
7439-96-5	Manganese	0.58	B	U	P
7440-02-0	Nickel	6.8			P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.47	B	U	P
7440-66-6	Zinc	1.5	U		P
7440-31-5	Cyanide	10.0	U		AS
	Tin	4.7	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECTGW8-01

Lab Name: COMPUCHEM ENV. CORP. Contract: SW-846

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

Matrix (soil/water): WATER Lab Sample ID: 918908

Level (low/med): LOW Date Received: 11/12/98

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	221			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	1.1	B	U	P
7439-96-5	Manganese	52.4		T	P
7440-02-0	Nickel	3.7	B	T	P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	1.3	B	U	P
7440-66-6	Zinc	1.5	U		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	4.7	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECTGW8-01B

ab Name: COMPUTECH ENV. CORP. Contract: SW-846

ab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00001

atrix (soil/water): WATER Lab Sample ID: 918909

level (low/med): LOW Date Received: 11/12/98

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	0.59	B	J	P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	0.20	U	US	P
7440-02-0	Nickel	0.70	U		P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	1.5	U		P
7440-31-5	Cyanide	10.0	U		AS
	Tin	4.7	U		P

olor Before: COLORLESS Clarity Before: CLEAR Texture: _____

olor After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

JL
11/14/99

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECTGW10-01

Name: COMPUCHEM ENV. CORP. **Contract:** SW-846

Contract: SW-846

ab Code: COMPU_ **Case No.:** 33937_ **SAS No.:** _____ **SDG No.:** 00001_

matrix (soil/water): WATER Lab Sample ID: 918910

Level (low/med) : LOW Date Received: 11/12/98

Solids: _____ 0.0

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Concentration Units (ug/L or mg/kg dry weight): UG/L

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Clarity After: CLEAR

Artifacts: _____

Comments:

FORM I - IN

SW846

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSGW1-01

Lab Name: COMPUCHEM ENV. CORP. _____ Contract: SW-846 _____

Lab Code: COMPU _____ Case No.: 33937 _____ SAS No.: _____ SDG No.: 00002 _____

Matrix (soil/water): WATER Lab Sample ID: 919212

Level (low/med): LOW _____

Date Received: 11/13/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	329			P
7440-41-7	Beryllium	0.30	B	U	P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	0.81	B	U	P
7439-96-5	Manganese	18.4	E	I	P
7440-02-0	Nickel	0.70	U		P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	1.5	U		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	4.7	U		P



11/17/99

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSGW1 - 01M

Lab Name: COMPUCHEM_ENV._CORP. Contract: SW-846

Contract: SW-846

Lab Code: COMPU Case No.: 33937 SAS No.: _____ SDG No.: 00002

Matrix (soil/water) : WATER Lab Sample ID: 919218

Level (low/med): LOW Date Received: 11/13/98

* Solids: . 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

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Color Before: COLORLESS **Clarity Before:** CLEAR **Texture:** _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments :

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSGW2-01

Lab Name: COMPUCHEM ENV. CORP. Contract: SW-846

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

Matrix (soil/water) : WATER Lab Sample ID: 919216

Level (low/med) : LOW Date Received: 11/13/98

Solids: _____ 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

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1/12/99

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: **CLEAR**

Artifacts: _____

Comments:

FORM I - IN

SW846

1

EPA SAMPLE NO.

ECSGW2 - 01M

Name: COMPUCHEM ENV. CORP. Contract: SW-846

Lab Code: COMPU Case No.: 33937 SAS No.: SDG No.: 00002

matrix (soil/water): WATER Lab Sample ID: 919219

Level (low/med) : LOW Date Received: 11/13/98

; Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

~~83~~ 1/17/99

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS **Clarity After:** CLEAR **Artifacts:** _____

Clarity After: CLEAR

Artifacts: _____

Comments:

FORM I - IN

SW846

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSGW3-01

Lab Name: COMPUCHEM_ENV._CORP. _____ Contract: SW-846 _____

Lab Code: COMPU_ Case No.: 33937_ SAS No.: _____ SDG No.: 00002_

Matrix (soil/water): WATER

Lab Sample ID: 919217

Level (low/med): LOW_

Date Received: 11/13/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	385			P
7440-41-7	Beryllium	0.32	B	U	P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	31.1		EJ	P
7440-02-0	Nickel	2.3	P	S	P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	1.5	U		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	4.7	U		P


11/17/99

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSGW3-01D

Lab Name: COMPUChem ENV. CORP. Contract: SW-846

Lab Code: COMPU_ Case No.: 33937 SAS No.: SDG No.: 00002

Matrix (soil/water): WATER Lab Sample ID: 919220

Level (low/med): LOW Date Received: 11/13/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	384			P
7440-41-7	Beryllium	0.37	B	U	P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	0.76	B	U	P
7439-96-5	Manganese	31.1		E S	P
7440-02-0	Nickel	2.2	B	S	P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	1.5	U		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	4.7	U		P



 1/17/99

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ECSGW4-01B

Lab Name: COMPUCHEM_ENV._CORP. _____ Contract: SW-846 _____

Lab Code: COMPU_ Case No.: 33937_ SAS No.: _____ SDG No.: 00002_

Matrix (soil/water): WATER Lab Sample ID: 919222

Level (low/med): LOW_ Date Received: 11/13/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	1.7	U		P
7440-39-3	Barium	0.40	U		P
7440-41-7	Beryllium	0.39	B	U	P
7440-43-9	Cadmium	1.0	U		P
7439-92-1	Lead	0.70	U		P
7439-96-5	Manganese	0.93	B	EU3	P
7440-02-0	Nickel	0.70	U		P
7440-22-4	Silver	0.40	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	1.5	U		P
7440-31-5	Cyanide	10.0	U		AS
	Tin	4.7	U		P

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11/17/99

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

HEXAVALENT CHROMIUM ANALYSIS

SUMMARY REPORT

ITEM NO.	SAMPLE IDENTIFIER	COMPUCHEM NUMBER	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
1.	✓ECTGW7-01	918746	BRL	10.0
2.	✓ECTGW5-01	918586	BRL	10.0
3.	✓ECTGW6-01	918591	BRL	10.0
4.	✓ECTGW1-01	918744	BRL	10.0
5.	✓ECTGW2-01	918745	BRL	10.0
6.	✓ECTGW8-01	918747	BRL	10.0
7.	✓ECSW1-01	918897	BRL	10.0
8.	✓ECSWNSL1-01	918898	BRL	10.0
9.	✓ECSW2-01	918899	BRL	10.0
10.	✓ECSW2-01D	918900	BRL	10.0
11.	✓ECTGW3-01	918901	BRL	10.0
12.	✓ECTGW4A-01	918902	BRL	10.0
13.	✓ECTGW8-01B	918909	BRL	10.0
14.	✓ECTGW10-01	918910	BRL	10.0
15.	✓ECSG4D-01	918911	BRL	10.0

BRL = BELOW REPORTING LIMIT

NWR = NOT WITHIN RANGE

Reviewed by/ID#: Candy J. Jones / 2182 Date: 11/24/98



11/16/99

HEXAVALENT CHROMIUM ANALYSIS

SUMMARY REPORT

ITEM NO.	SAMPLE IDENTIFIER	COMPUCHEM NUMBER	CONCENTRATION (ug/L)	REPORTING LIMIT (ug/L)
1.	✓ECSGW3-01	919217	BRL	10 U
2.	✓ECTGW9-01	919191	BRL	10
3.	✓ECTGWM13-01	919199	BRL	10
4.	✓ECSGW1-01	919212	BRL	10
5.	✓ECSGW2-01	919216	BRL	10
6.	✓ECSGW1-01M	919218	BRL	10
7.	✓ECSGW2-01M	919219	BRL	10
8.	✓ECSGW3-01D	919220	BRL	10
9.	✓ECSGW4-01	919221	BRL	10
10.	✓ECSGW4-01B	919222	BRL	10 U
11.				

BRL = BELOW REPORTING LIMIT

NWR = NOT WITHIN RANGE

Reviewed by/ID#: Carol J. Yandell / 2182 Date: 11/25/98



1/17/99